

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 9.3 - Even More Combining Like Terms

Simplify each expression.

1. $9a + 10(6a - 1)$

$9a + 60a - 10$

$69a - 10$

2. $-9(6m - 3) + 6(1 + 4m)$

$-54m + 27 + 6 + 24m$

$-30m + 33$

3. $-10(1 - 9x) + 6(x - 10)$

$-10 + 90x + 6x - 60$

$-70 + 96x$

4. $5(-2n + 4) - 2(n + 3)$

$-10n + 20 - 2n - 6$

$-12n + 14$

5. $-3(5b + 4) + 5(b + 2)$

$-15b - 12 + 5b + 10$

$-10b - 2$

6. $-7(3n + 1) - 8(1 + 8n)$

$-21n - 7 - 8 - 64n$

$-85n - 15$

7. $2x - 4y + 7 - 3y - 6x$

$-4x - 7y + 7$

8. $2(b^2 - 3b) - 3(2b^2 - 8b) + 4b$

$2b^2 - 6b - 6b^2 + 24b + 4b$

$-4b^2 + 22b$

9. $7(2x^3 - 4x^2) - (7x^2 - 8x^3) - 3x^2$

$14x^3 - 28x^2 - 7x^2 + 8x^3 - 3x^2$

$22x^3 - 38x^2$

10. $(10mn^2 - 4m^2n) - 4(-m^2n + 5mn^2)$

$10mn^2 - 4m^2n + 4m^2n - 20mn^2$

$-10mn^2$